http://chortle.ccsu.edu/Java5/Notes/chap49C/ch49C_1.html 57 captures 14 Jun 2006 - 19 Sep 2017	Go	MAR MAY   MAR 16 2013 2015	ОСТ > 2016	Image: Second state       Image: Second stat
created: 12/03/99; revised: 01/24/00, 07/20/02, 05/30/03, 02/03/06, 08/16/14				
CHAPTER 49C — Two-Dimensional Arrays				

Chapter Topics:

- Two-dimensional Arrays
- 2D Array Declaration
- Initializer Lists
- Different Numbers of cells in each row
- 2D Arrays as Arrays of 1D Arrays
- Printing a 2D Array

Often data comes naturally in a two dimensional form. Web browser screens are two dimensional, as are spreadsheets, printed pages, and images.

For many of these situations you need a *two-dimensional array*. This is a collection of cells laid out in a 2D grid, like graph paper. Each cell can hold a value (as with a 1D array). However, now *two* indexes are needed to specify a cell.

If you have ever used a *spreadsheet* then you have used a 2D grid for holding and manipulating data.

One programming problem in the 2014 Advanced Placement test for computer science required use of a two dimensional array of object references.

## **QUESTION 1:**

(Thought question: ) Do you suspect that 2D arrays in Java are objects?

